



**You have downloaded a document from  
RE-BUS  
repository of the University of Silesia in Katowice**

**Title:** Corrigendum to "A functional equation characterizing homographic functions"

**Author:** Janusz Matkowski

**Citation style:** Matkowski Janusz. (2011). Corrigendum to "A functional equation characterizing homographic functions". "Annales Mathematicae Silesianae" ([Nr] 25 (2011), s. 101-102).



Uznanie autorstwa - Użycie niekomercyjne - Bez utworów zależnych Polska - Licencja ta zezwala na rozpowszechnianie, przedstawianie i wykonywanie utworu jedynie w celach niekomercyjnych oraz pod warunkiem zachowania go w oryginalnej postaci (nie tworzenia utworów zależnych).



UNIWERSYTET ŚLĄSKI  
W KATOWICACH



Biblioteka  
Uniwersytetu Śląskiego



Ministerstwo Nauki  
i Szkolnictwa Wyższego

**CORRIGENDUM TO “A FUNCTIONAL EQUATION  
CHARACTERIZING HOMOGRAPHIC FUNCTIONS”  
[ANNALES MATHEMATICAE SILESIAE 24 (2010), 61–70]**

JANUSZ MATKOWSKI

I would like to thank Professor Janos Aczél for calling my attention on the following mistakes in my paper published in Annales Mathematicae Silesianae, 24 (2010), 61–70:

1. Page 63, line 8 from below – the term inside the square bracket should be

$$\left(\frac{1}{g(y)} - \frac{1}{g(x)}\right)z \quad \text{not} \quad \left(\frac{1}{g(x)} - \frac{1}{g(y)}\right)z;$$

2. Page 63, line 7 from below – there should be “Since the right side does not depend on  $x$  and  $y$  ...” instead of “Since the right side does not depend on  $z$  ...”;
3. Page 64, line 1 – “left” should stand instead of “right”;
4. Page 64 line 2 – in the formula (3) there should be

$$f(x) = \frac{ax + b}{cx + d}, \quad x \in X,$$

instead of

$$f(x) = \frac{ax + by}{cx + d}, \quad x \in X;$$

5. Page 64 line 5 from below – “a” is superfluous;

---

*Received: 8.01.2012.*

(2010) Mathematics Subject Classification: 39B22.

*Key words and phrases:* homographic function, functional equation.

6. Page 64 line 2 from below – “is” is missing;
7. Page 65 line 11 from below – there is “Theorem 1” instead of “Theorem”;
8. Page 69, line 4 there is “ $a$ ” instead of “ $x$ ”.

FACULTY OF MATHEMATICS  
COMPUTER SCIENCE AND ECONOMETRIC  
UNIVERSITY OF ZIELONA GÓRA  
PODGÓRNA 50  
65-246 ZIELONA GÓRA  
POLAND  
AND  
INSTITUTE OF MATHEMATICS  
SILESIA UNIVERSITY  
BANKOWA 14  
40-007 KATOWICE  
POLAND